

1 **(BSP September 8, 2003)**

2 **Traffic Signal Standard Foundation Shaft Casing And Slurry**

3 All permanent casing shall be of steel base metal conforming to ASTM A 36M. All
4 permanent casing shall be of ample strength to resist damage and deformation from
5 transportation and handling, installation stresses, and all pressures and forces acting on
6 the casing. The casing shall be clean prior to placement in the excavation. The
7 permanent casing may be telescoped, but the outside diameter of the casing shall not
8 be less than the specified diameter of the shaft.

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10 Slurry for shaft foundations shall be either synthetic slurry or water slurry, conforming to
11 the following requirements:

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13 **Synthetic Slurries**

14 Synthetic slurries shall be used in conformance with the manufacturer's
15 recommendations, and the quality control plan specified in Section 8-20.3(4) as
16 supplemented in these Special Provisions. The sand content of synthetic slurry
17 prior to final cleaning and immediately prior to placing concrete shall be less than
18 2.0 percent, in accordance with API 13B-1, Section 5.

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20 **Water Slurry (with or without site soils)**

21 Water with or without site soils may be used as slurry when casing is used for the
22 entire length of the drilled hole. Water slurry shall conform to the following
23 requirements:

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Property	Test	Requirement
Density (kilograms per cubic meter)	Mud Weight (Density) API 13B-1, Section 1	1,120 max.
Sand Content (percent)	Sand API 13B-1, Section 5	4.0 max.

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26 Slurry temperature shall be at least 4C when tested.